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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Tien-Hsin Chao et al.	Examiner:	Fayez G. Assaf
Serial No.:	10/824,722	Group Art Unit:	2872
Filed:	April 15, 2004	Docket:	G&C 176.18-US-U1
Title:	HOLOGRAPHIC MEMORY USING BEAM STEERING		

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 17, 2005.

By: 

Name: Jason S. Feldmar

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing under 37 CFR 1.8.
- ☒ Information Disclosure Statement and Form PTO-1449.
- ☒ Cited Reference(s).
- ☒ Return postcard.

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

Please charge all fees to Deposit Account No. 50-0494 of Gates & Cooper LLP. A duplicate of this paper is enclosed.

Customer Number 22462
GATES & COOPER LLP
Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, CA 90045
(310) 641-8797

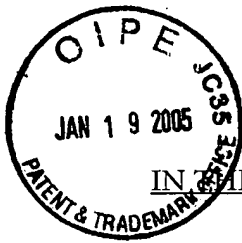
By: 

Name: Jason S. Feldmar

Reg. No.: 39,187

JSF/amb

(PTO TRANSMITTAL - GENERAL)

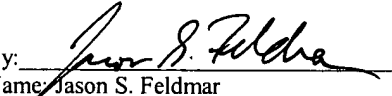


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tien-Hsin Chao et al. Examiner: Fayez G. Assaf
Serial No.: 10/824,722 Group Art Unit: 2872
Filed: April 15, 2004 Docket: G&C 176.18-US-U1
Title: HOLOGRAPHIC MEMORY USING BEAM STEERING

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

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By: 
Name: Jason S. Feldmar

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each foreign patent document and each non-patent document listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

establish that the reference(s) are not "prior art". Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please direct any response or inquiry to the below-signed attorney at (310) 641-8797.

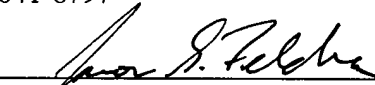
Respectfully submitted,

GATES & COOPER LLP
Attorneys for Applicant(s)

Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, California 90045
(310) 641-8797

Date: January 17, 2005

JSF/amb

By: 
Jason S. Feldmar
Reg. No.: 39,187

Form 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION	Docket Number: G&C 176.18-US-U1	Application Number: 10/824,722
	Applicant: Tien-Hsin Chao et al.	
	Filing Date: April 15, 2004	Group Art Unit: 2872

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		1. K.F. Strauss, T. Daud, "Overview of radiation tolerant unlimited write cycle nonvolatile memory", Proceeding of IEEE Aerospace Conference 2000, pp 399-408.					
		2. L. Hesselink et al, "Photorefractive materials for nonvolatile volume holographic data storage", Science Vol. 282, 1998, pp. 1089-1093.					
		3. A. Adibi, K. Buse and D. Psaltis, "Multiplexing holograms in LiNbO ₃ :Fe:Mn crystals", Opt. Lett. 24, Vol. 10, 1999, pp 652-654.					
		4. Tien-Hsin Chao, George Reyes, and Youngchul Park, "Grayscale optical correlator" Proceeding of SPIE, Optical Pattern Recognition IX, Vol. 3386, 1998, pp 60-64.					
		5. A Mahalanobis, B. V. K. Vijaya Kumar, S. Song, S.R.F. Sims and J.F. Epperson, "Unconstrained correlation Filters, " Appl Opt, Vol. 33, 1994, pp. 3751-3759.					
		6. Tien-Hsin Chao, George Reyes, and Hanying Zhou, Automatic Target Recognition Field Demonstration Using a Grayscale Optical Correlator. SPIE AeroSense Symposium, Optical Pattern Recognition Conference, Vol. 3715, Orlando, FL, 1999, pp. 399-406.					
		7. Hanying Zhou and Tien-hsin Chaor, MACH Filter Synthesizing for Detecting Targets in Cluttered Environment for Grayscale Optical Correlator, SPIE AeroSense Symposium, Optical Pattern Recognition Conference, Vol. 3715, Orlando, FL, 1999, pp. 394-398.					
		8. Tien-Hsin Chao, Hanying Zhou, Geroge Reyes, JPL "Compact Holographic Data Storage System", Proceedings of Eighteenth IEEE Symposium on Mass Storage Systems in cooperation with the Ninth NASA Goddard Conference on Mass Storage Systems and Technologies, April, 2001, 237-247.					

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

Form 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION	Docket Number: G&C 176.18-US-U1	Application Number: 10/824,722
	Applicant: Tien-Hsin Chao et al.	
	Filing Date: April 15, 2004	Group Art Unit: 2872

		9. T.H. Chao, H Zhou, and G. Reyes, "Advanced compact holographic data storage system," Proceedings of Non-volatile memory technology symposium 2000, November 2000, 16 pages.
		10. Tien-Hsin Chao, George Reyes, Hanying Zhou, Danut Dragoi, and Jay Hanan, "High-density Holographic Data Storage," Proceedings of International Symposium on Optical memory 2001Taiwan, Oct. 2001, pp, 248-249.
		11. Tien-Hsin Chao, George Reyes, Hanying Zhou, Danut Dragoi, and Jay Hanan, "Nonvolatile Rad-Hard Holographic Memory," Proceedings of Non-volatile memory technology Symposium 2001, San Diego, CA, 2001, 38 pages.
		12. Tien-Hsin Chao, George Reyes, Hanying Zhou, Danut Dragoi, and Jay Hanan, "Nonvolatile Rad-Hard Holographic Memory," JPL, Pasadena, CA, Abstract, 2001, 17 pages.

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